AWIPS Radar Proficiency Check List

(Updated for Build 4.2.6 1/21/00)

Name: _____

Office: _____

_____

Evaluator: _____

Date: _____

Instructions: This Check List is designed to assess the knowledge and performance levels of NWS operational personnel in using and manipulating radar products on AWIPS workstations. It should be customized to fit local needs. This assessment should only be administered to trained individuals (e.g., those who have completed the residence WSR-88D Operations Course (1991-97), Distance Learning Operations Course (1997-99), or any additional specialized on-site training). The majority of items on the AWIPS Radar Proficiency Check List were **not** covered in any previous or current WSR-88D HMT Training.

The Check List is an open book exercise, but each action should be completed within an operationally reasonable time period. Evaluators must use their best judgement when assessing the timeliness of completion for each item. The entire Check List should be completed in approximately 60 minutes.

Note: You need to be running Build 4.2.6 for the Archive questions (#25,#26) to work.

NOTE: ## Denote items for which the evaluator must provide input (e.g. specific product parameters to satisfy a display request, etc...).

**** Denote items which need to be tailored for individual station procedures.**

1. Determine the current operational status of the WSR-88D System at the AWIPS Workstation.

2. Where is the **ONLY** place on AWIPS where you can find notification of problems that have occurred with radar data **AND** information on the current VCP?

3. What is the status of radar products being stored in the radar database?

4.** What active radar data ingest processes are running on the Data Server?

5.** Check the Radar Status Bar to see if any Free Text Messages (FTMs) have come in during the past 6 hours**.** If so, show how it can be displayed.

6. Display the current RPS List.

7.** Make Adaptation RPS List ___ your <u>current</u> RPS list.

8.** Add a product to the current RPS list, **and** send this updated version to the RPG.

9. On the WFO scale, create a 8 frame loop of the latest 1.5 degree Z/SRM combo product.

10. ** Display the current adaptable parameter settings for your Mesocyclone product.

11.## Generate a One-Time Request (OTR) of a specific product from a Non-Associated RPG.

12.## Use the distance speed tool to estimate a linear motion for a selected feature.

13.** Display a 4-panel using Z/SRM combo products (most recent) with the following elevations in each Quadrant : Quad 1- 0.5 deg, Quad 2 - 1.5 deg, Quad 3 - 2.5 (or 2.4) deg , Quad 4 - 3.4 (or 3.5) deg. [Note: Quad 3 is the lower left panel]

14. Move the Cursor Home to a new location and provide the Azimuth and Range of some feature relative to this new location.

15. Display a 1.5 deg SRM product on the State scale. Perform a high-resolution zoom to the highest resolution possible on a feature of interest **without** using the middle-mouse button.

16.## Determine the Cell Trends of an identified cell. If no storms are identified by the 88D, show your evaluator the proper steps you would take for displaying Cell Trends for a particular storm.

17. Generate, request and then display a Reflectivity Cross-Section through a feature of interest.

18. Using the Vr Shear Tool, display the velocity difference and shear for a velocity couplet observed on a SRM product.

19.** Demonstrate **how** you could modify Alert Area 2 by adding a few boxes.

20.** Call up a window showing the status of alerts currently in effect (latest volume scan ONLY).

21.** Find the specific dBZ value for Threshold Code 3 of the Grid Group Composite Reflectivity Alert?

22. ** Define a Procedure called ___ to display the following on a D2D workstation:

On the large display pane, 6 frames of 0.5 deg, Z/SRM combo on WFO Scale, On the 2 other side panes, a loop of a least 4 frames IR satellite imagery with METAR plots overlaid (Regional Scale) , AND a loop of 4-6 frames of Mosaic Base Reflectivity (State Scale).

23. Load the procedure just defined in previous task from History List.

24.## Generate a Radar Multiple Request (RMR) named _____ to request (every volume scan) the latest 0.5 degree , Base Reflectivity product from 3 of your surrounding radars for the next 1 hour.

25.## Use the Archive Manager to set up a One-Time Store of the Z/SRM combo product (all tilts) for a specified time period.

26. Restore the One-Time Store Session as a Data Case and Display the Restored Data Case.